

1FW



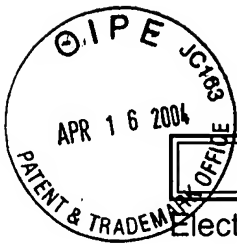
Electronic Filing System (EFS) Data
Electronic Patent Application Submission
USPTO Use Only

EFS ID: 59137
Application ID: 10066094
Title of Invention: Circular vias and interconnect-
line ends
First Named Inventor: Steven Teig
Domestic/Foreign Application: Domestic Application
Filing Date: 2002-01-31
Effective Receipt Date: 2004-04-16
Submission Type: Information Disclosure
Statement
Filing Type:
Confirmation number: 6006
Attorney Docket Number: SPLX.P0080




Total Fees Authorized:

Digital Certificate Holder: cn=Mani Adeli,ou=Registered Attorneys,ou=Patent and Trademark
Office,ou=Department of Commerce,o=U.S. Government,c=US
Certificate Message Digest: f8f0284e3b523e00d7481e6f327f898efc3c1b09



TRANSMITTAL

Electronic Version v1.1
Stylesheet Version v1.1.0

Title of Invention	Circular vias and interconnect-line ends									
Application Number: 10/066094 										
Date: 2002-01-31										
First Named Applicant: Steven Teig										
Confirmation Number: 6006										
Attorney Docket Number: SPLX.P0080										
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>										
<table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Mani Adeli Registered Number: 39,585</td><td>/Mani Adeli/</td><td>Attorney</td></tr></tbody></table>			Submitted by:	Elec. Sign.	Sign. Capacity	Mani Adeli Registered Number: 39,585	/Mani Adeli/	Attorney		
Submitted by:	Elec. Sign.	Sign. Capacity								
Mani Adeli Registered Number: 39,585	/Mani Adeli/	Attorney								
<table><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-ids</td><td>SPLX.P0080-usidst.xml</td></tr><tr><td></td><td>us-ids.dtd</td></tr><tr><td></td><td>us-ids.xsl</td></tr></table>			Documents being submitted	Files	us-ids	SPLX.P0080-usidst.xml		us-ids.dtd		us-ids.xsl
Documents being submitted	Files									
us-ids	SPLX.P0080-usidst.xml									
	us-ids.dtd									
	us-ids.xsl									
Comments										



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	Circular vias and interconnect-line ends																																																																										
<p>Application Number: 10/066094</p> <p>Confirmation Number: 6006</p> <p>First Named Applicant: Steven Teig</p> <p>Attorney Docket Number: SPLX.P0080</p> <p>Art Unit: 2826</p> <p>Examiner: Victor A. Mandala</p> <p>Search string: (4615011 or 4673966 or 4700016 or 4782193 or 5360948 or 5578840 or 5618744 or 5633479 or 5650653 or 5657242 or 5742086 or 5757656 or 5777360 or 5784262 or 5811863 or 5822214 or 5889329 or 5914887 or 5973376 or 6035108 or 6067409 or 6128767 or 6166441 or 6209123 or 6226560 or 6262487 or 6301686 or 6320391 or 6324675 or 6342682 or 6365958 or 6385758 or 6407434 or 6412097 or 6436804 or 6483481 or 6512292 or 6546540 or 6586281 or 6615400 or 6292929 or 6645842 or 20010003843 or 20020024115 or 20020174413 or 20020182844 or 20030005399 or 20030025205 or 20030121017).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td>1</td><td>4615011</td><td>1986-09-30</td><td>Linsker</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>4673966</td><td>1987-06-16</td><td>Shimoyama</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>4700016</td><td>1987-10-13</td><td>Hitchcock et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>4782193</td><td>1988-11-01</td><td>Linsker</td><td></td><td></td><td></td></tr><tr><td></td><td>5</td><td>5360948</td><td>1994-11-01</td><td>Thornberg</td><td></td><td></td><td></td></tr><tr><td></td><td>6</td><td>5578840</td><td>1996-11-26</td><td>Scepanovic et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>7</td><td>5618744</td><td>1997-04-08</td><td>Suzuki et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>8</td><td>5633479</td><td>1997-05-27</td><td>Hirano</td><td></td><td></td><td></td></tr></tbody></table>				init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass		1	4615011	1986-09-30	Linsker					2	4673966	1987-06-16	Shimoyama					3	4700016	1987-10-13	Hitchcock et al.					4	4782193	1988-11-01	Linsker					5	5360948	1994-11-01	Thornberg					6	5578840	1996-11-26	Scepanovic et al.					7	5618744	1997-04-08	Suzuki et al.					8	5633479	1997-05-27	Hirano			
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass																																																																				
	1	4615011	1986-09-30	Linsker																																																																							
	2	4673966	1987-06-16	Shimoyama																																																																							
	3	4700016	1987-10-13	Hitchcock et al.																																																																							
	4	4782193	1988-11-01	Linsker																																																																							
	5	5360948	1994-11-01	Thornberg																																																																							
	6	5578840	1996-11-26	Scepanovic et al.																																																																							
	7	5618744	1997-04-08	Suzuki et al.																																																																							
	8	5633479	1997-05-27	Hirano																																																																							

	9	5650653	1997-07-22	Rostoker et al.	
	10	5657242	1997-08-12	Sekiyama et al.	
	11	5742086	1998-04-21	Rostoker et al.	
	12	5757656	1998-05-26	Herhsberger et al.	
	13	5777360	1998-07-07	Rostoker et al.	
	14	5784262	1998-07-21	Sherman	
	15	5811863	1998-09-22	Rostoker et al.	
	16	5822214	1998-10-13	Rostoker et al.	
	17	5889329	1999-03-30	Rostoker et al.	
	18	5914887	1999-06-22	Scepanovic et al.	
	19	5973376	1999-10-26	Rostoker et al.	
	20	6035108	2000-03-07	Kikuchi	
	21	6067409	2000-03-23	Scepanovic et al.	
	22	6128767	2000-10-03	Chapman	
	23	6166441	2000-12-26	Geryk	
	24	6209123	2001-03-27	Maziasz et al.	B1
	25	6226560	2001-05-01	Hama et al.	B1
	26	6262487	2001-07-17	Igarashi et al.	B1
	27	6301686	2001-10-09	Kikuchi et al.	B1
	28	6320391	2001-11-20	Bui	B1
	29	6324675	2001-11-27	Dutta et al.	B1
	30	6342682	2001-01-29	Mori et al.	B1
	31	6365958	2002-02-28	Ibnadeljalil et al.	B1
	32	6385758	2002-05-07	Kikuchi et al.	B1
	33	6407434	2002-06-18	Rostoker et al.	B1
	34	6412097	2002-06-25	Kikuchi et al.	B1
	35	6436804	2002-08-20	Igarashi et al.	B2
	36	6483481	2002-11-19	Sievenpiper et al.	B1
	37	6512292	2003-01-28	Armbrust et al.	B1
	38	6546540	2003-04-08	Igarashi et al.	B1
	39	6586281	2003-07-01	Gabara et al.	B1
	40	6615400	2003-09-02	Lucanc	B1
	41	6292929	2001-09-18	Scepanovic et al.	B2
	42	6645842	2003-11-11	Igarashi et al.	B2

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20010003843	2001-06-14	Scepanovic et al.	A1		
	2	20020024115	2002-02-28	Ibnadeljalil et al.	A1		
	3	20020174413	2002-11-21	Tanaka	A1		
	4	20020182844	2002-12-05	Igarashi et al.	A1		
	5	20030005399	2003-01-02	Igarashi et al.	A1		
	6	20030025205	2003-02-06	Shively	A1		
	7	20030121017	2003-06-26	Andreev et al.	A1		

Signature

Examiner Name	Date